

Abstract Of The Disclosure

5 An optical unit, having a sensor device in particular, including a housing enclosing same, a radiation-sensitive sensor surface, designed for detecting electromagnetic radiation from a frequency section, having a predefined width and position, of the spectral range including the near infrared range and/or the visible range, and a lens system. In order to reduce the cost and complexity for mounting a lens on the housing and to obtain a uniform housing surface on the object side, a part of the lens system acting as a lens on the object side or the entire lens system of the unit is designed as an integral component of the housing of the unit.